



Features

- TOPAZ 96 houses forty-eight plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW and single and 240 volt dual 2.5kW capacities (order dimmer modules separately)
- Plug-in electronic control modules (order separately)
- TOPAZ 96 allows for bussing of adjacent mounted racks, permitting a single power feed
- Rugged compact design
- Single or three-phase input power, 120 or 240 volts
- Locking door to prevent unwanted access to rack
- Ambient air is drawn through the dimmer and exhausted through the rack top. The airflow is not drawn over any electrical connections. No filter is required
- UL Listed (120V units)
- CSA Certified (120V units)

Dimensional Data - in. [cm] lbs. [kg]

Width	14.0 [35.6]
Depth	19.0 [48.3]
Height	80.0 [203.4]
Weight (w/dimmers)	318.0 [144.2]

Topaz™ 96 Dimmer Rack

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Specifications

• The TOPAZ 96 dimmer rack is a free-standing dead front switchboard measuring 80"H x 14"W x 19"D and housing all specified equipment. Constructed of code gauge formed steel and aluminum structural members, all surfaces are finished in black polyurethane paint. The rack weighs 195 lbs. (318 lbs. including dimmer and control modules).

• Racks are designed to allow for adjacent or back-to-back mounting of multiple racks. The rear section of the rack utilizes a contactor's wireway with a minimum of 5" of wiring space behind the dimmer module. The rack is furnished with removable conduit access plates, on the top and bottom of the rack, which may be field punched.

• The rack is constructed to permit insertion and removal of dimmers and control modules without the use of tools. Positive, interlocking guides provide precise alignment of the dimmers to the signal and power connectors in the rack. Dimmer supports incorporated into the sides of the rack, allow clear access to the power load, neutral terminals and the wireway.

• The rack is designed to contain forty-eight plug-in dimmer modules. Each dual module position has a mating power bus, two load connectors and three gold-plated PC signal contacts. The control module positions include appropriate contractor control signal terminal blocks and a signal distribution connector.

• The rack contains a continuous-duty low-noise fan with a maximum NC rating of 60 to maintain temperature at proper operating levels with all

dimmers under full load and ambient temperature up to 104° (40°C). The rack provides an airflow sensor to shut off dimmers in the rack if safe operating temperatures are exceeded. Cooling air is drawn through the dimmers and exhausted through the top of the rack. Since there is no air flow over any electrical connections in the dimmer, no filtration is required.

Mechanical

• The rack has a lockable door with a maximum swing radius of 4 1/2" to prevent unauthorized access to dimmer and control modules. A blank label is provided inside the door directly adjacent to each dimmer for user identification of each circuit.

• Both load and neutral terminals accept up to a #2 gauge wire. Neutral terminals are located directly adjacent to load terminals for ease of contractor wiring. Provisions are made for optional fault current protection devices which may be installed and serviced from the front of the rack.

• The rack has 96 user-selectable control panic switches located on the signal distribution card in the rack.

Electrical

• The rack is designed to operate from 120 or 240 volts and either single or three phase power. Removable panels are provided on the sides of the rack to allow simple rack-to-rack bussing.

• The rack is factory-tested and control modules are burned in at elevated temperatures for a minimum of four hours. The rack is UL Listed and CSA Certified for 120V applications and has an interrupting capacity of 100,000A available as an option.

Description

Cat. No.

Topaz 96 Standard
Dual 1.8/2.4kW (120V) FGP-196-001

Topaz 96
Dual 1.8/2.5kW (240V) FGP-196-003

Modules

Cat. No.

Filler Module CTP-166-360

1.8kW Dual Universal
Dimmer Module (120V) CTP-166-361

2.4kW Dual Universal
Dimmer Module (120V) CTP-166-362

2.5kW Universal
Dimmer Module (240V) CTP-166-364

20A Constant Module CTP-166-381

Control Modules

Cat. No.

Sequential Control Module
(1 to 1 Wired), (120V) CTP-166-390

Sequential Control Module
(240V) CTP-166-391

Phase Balanced
Control Module (120V) CTP-166-392

Phase Balanced
Control Module (240V) CTP-166-393

Specifications subject to change without notice

